

The Dangers of Replication and a Solution

J Gray, P Helland, PE O'Neil, D Shasha - SIGMOD Conference, 1996 - stoev.org

... **Eager replication** keeps all replicas exactly synchronized at all nodes by updating all the replicas as part of one atomic transaction. ...

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Load Management in Distributed Video Servers

N Venkatasubramanian, S Ramanathan - ICDCS, 1997 - doi.ieeecs.org

... 3 Load Management Optimizations **Eager Replication**: In between the invocations of the adaptive and predictive phases, to cater for periods of future high demand ...

Cited by 47 - [Web Search](#) - [doi.ieeecomputersociety.org](#) - [ics.uci.edu](#) - [yangtze.cs.uiuc.edu](#) - [all 8 versions](#) »

A new approach to developing and implementing eager database replication protocols

B Kemme, G Alonso - ACM Transactions on Database Systems, 2000 - portal.acm.org

... In the first case, replication is eager, otherwise it is lazy. **Eager replication** allows the detection of conflicts before the transaction commits. ...

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[PS] Don't Be Lazy, Be Consistent: Postgres-R, A New Way to Implement Database Replication

B Kemme, G Alonso - VLDB, 2000 - iks.inf.ethz.ch

... While **eager replication** emphasizes consistency, lazy replication pays more attention to efficiency. Among database designers, there ...

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Database replication techniques: a three parameter classification

M Wiesmann, F Pedone, A Schiper, B Kemme, G Alonso - PROC IEEE SYMP RELIAB DISTRIB SYST. pp. 206-215. 2000, 2000 - doi.ieeecs.org

... consistency. As an alternative, **eager replication** guarantees consistency but most existing protocols have a prohibitive cost. In ...

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Understanding replication in databases and distributed systems

M Wiesmann, F Pedone, A Schiper, B Kemme, G Alonso - 20 th International Conference on Distributed Computing ..., 2000 - dx.doi.org

... In **eager replication** schemes, updates are propagated within the boundaries of a transaction, ie, the user does not receive the commit notification until ...

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Eager Replication for Stateful J2EE Servers

H Wu, B Kemme, V Maverick - Proceedings of the International Symposium on Distributed ... - springerlink.com

Page 1. **Eager Replication** for Stateful J2EE Servers ... Keywords: stateful J2EE servers, transactions, **eager replication**, state consistency, exactly-once-execution ...

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Preventive Multi-Master Replication in a Cluster of Autonomous Databases

E Pacitti, T Oezsu, C Coulon - Int. Conf. on Parallel and Distributed Computing (Euro-Par ...), 2003 - springerlink.com

... In this paper, we present a lazy preventive data replication solution that assures strong consistency without the constraints of **eager replication**. ...

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